

In the claims:

Amend the claims as follows:

5 1. (Currently amended) An aeration system for aeration and/or
mixing of water, comprising:
at least one aeration unit having a pump/propeller inside a
feed pipe, with which propeller/pump the water is sucked into
a feed pipe, and ~~a~~ the feed pipe to which the water to be
10 aerated is sucked from beneath;
a nozzle ring in the aeration unit, and which feed pipe
expands in an upper part of the aeration unit by forming a
conical space that works as a nozzle, the nozzle ring having
at least one nozzle opening defined therein, the nozzle ending
15 in at least one annular nozzle opening;
the aeration unit being placed in the water to a right depth
in such a way that the water flow caused by a pump/propeller
goes to one or more of the annular nozzle openings at or close
to a surface of the water; and
20 another smaller propeller being disposed in the upper part of
the system, the other propeller being different handed
compared to the propeller of the propeller pump.

2. (Previously presented) The aeration system of claim 1
25 wherein the nozzle opening is vertical in order to bring the
water jet horizontally out from the feed pipe.

3. (Previously presented) The aeration system of claim 1
wherein the nozzle opening slants diagonally upwards in order
30 to bring the water jet diagonally upwards out from the feed
pipe.

4. (Previously presented) The aeration system of claim 1
wherein the conical space in the upper part of the aeration
35 unit is between the nozzle rings.

5. (Canceled)

6. (Previously presented) The aeration system of claim 1
5 wherein there is cylindrical covering around the aeration unit.

7. (Previously presented) The aeration system of claim 1
10 wherein a wedge-formed nozzle is formed between the nozzle rings, which nozzle ends to the annular nozzle opening.

8. (Previously presented) The aeration system of claim 1
15 wherein the nozzle ring of the aeration unit is formed by a cover, which is externally fastened and the oxidation and/or mixing can be regulated by adjusting a position of the cover.

9. (Previously presented) The aeration system of claim 1
20 wherein the nozzle is divided into several nozzle openings by means of wedge-formed nozzle rings.

10. (Canceled)

11. (Canceled)

12. (Currently amended) An aeration system for aeration and/or mixing of water, comprising:
25 at least one aeration unit having a pump/propeller inside a feed pipe, with which propeller/pump the water is sucked into a feed pipe, and a the feed pipe to which the water to be
30 aerated is sucked from beneath;
a nozzle ring in the aeration unit, and which feed pipe expands in an upper part of the aeration unit by forming a conical space that works as a nozzle, the nozzle ring having at least one nozzle opening defined therein, the nozzle ending
35 in at least one annular nozzle opening;

the aeration unit being placed in the water to a right depth in such a way that the water flow caused by a pump/propeller goes to one or more of the annular nozzle openings at or close to a surface of the water, and

5 ~~The aeration system of claim 1~~ wherein there are several aeration units and a transversal feed pipe or transversal feed pipes, along which the water is lead to the aeration units.

10 13. (Currently amended) The aeration system of claim 12 ~~11~~ wherein one feed pipe, pump and motor feed the water to several aeration units simultaneously.

14. (Canceled)

15

15. (Currently amended) An aeration system for aeration and/or mixing of water, comprising:

at least one aeration unit having a pump/propeller inside a feed pipe, with which propeller/pump the water is sucked into a feed pipe, and a the feed pipe to which the water to be aerated is sucked from beneath;
20 a nozzle ring in the aeration unit, and which feed pipe expands in an upper part of the aeration unit by forming a conical space that works as a nozzle, the nozzle ring having
25 at least one nozzle opening defined therein, the nozzle ending in at least one annular nozzle opening;

the aeration unit being placed in the water to a right depth in such a way that the water flow caused by a pump/propeller goes to one or more of the annular nozzle openings at or close to a surface of the water; and
30

~~The aeration system of claim 1 wherein the~~
a transversal suction pipe being near the a bottom and the suction holes in the transversal suction pipe adapted for
~~therein intensifies~~ intensifying the mixing.

35

16. (Canceled)

17. (Currently amended) A method for aeration/mixing of water in an aeration unit, comprising:

5 providing a propeller/pump inside a feed pipe, with which propeller/pump the water is sucked into the feed pipe and a feed pipe, to which the water is sucked from beneath and a nozzle ring of the aeration unit, achieving a water stream with the propeller pump leading the
10 water stream to the feed pipe of the aeration unit, which is in the water, leading the water from the feed pipe via such a part in the upper part of the feed pipe that works as a nozzle and extending as a conical space and is lead further to one or
15 more annular nozzle openings ending to the nozzle at or near by a surface of the water, ~~and~~ leading the water away via a nozzle opening in a form of a water jet,
providing another smaller propeller in an upper end of the
20 system that is different handed compared to the propeller of the propeller pump, and
performing a pre-aeration as a first step, wherein water is pushed by the propeller downwardly and air is mixed with the
water, and the water is removed from the aerator via the
25 nozzle in the form of the water jet.

18. (Canceled)

19. (Previously presented) The method according to claim 17
30 wherein when there is a cylindrical covering around the aeration unit, the water jet from the nozzle is, in a third step of the aeration, allowed to collide with the cylindrical covering working as a wall in order to split the water jet into small water droplets and air bubbles.

35

20. (Previously presented) The method according to claim 17
wherein the apparatus is used for the circulation of water,
whereby the apparatus is lowered so that the nozzles come
under the water or by raising the covering of the aerator
5 and/or by lowering the rotation speed of the motor.